



## Aureococcus anophagefferens

### Brown tide

#### General

1. 2-3  $\mu\text{m}$  spherical, non-motile pelagophyte which caused destructive 'brown tide' blooms in northeast and mid-Atlantic US estuaries for two decades
2. Capable of growing to extremely high densities and can enzymatically degrade complex forms of dissolved organic matter as a source of cellular carbon and nitrogen

#### Geography and Habitat

1. Introduced: New York
2. Habitats
  - Well adapted to low light, elevated water temps, sequesters substantial amounts of carbon during bloom events

#### Invasion Pathways

1. Oceangoing ships and coastal boats

#### Sources

1. <http://genome.jgi-psf.org/Auran1/Auran1.home.html>
2. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC525227/>

